

Fig. 1 Structure of passively driven liquid crystal display

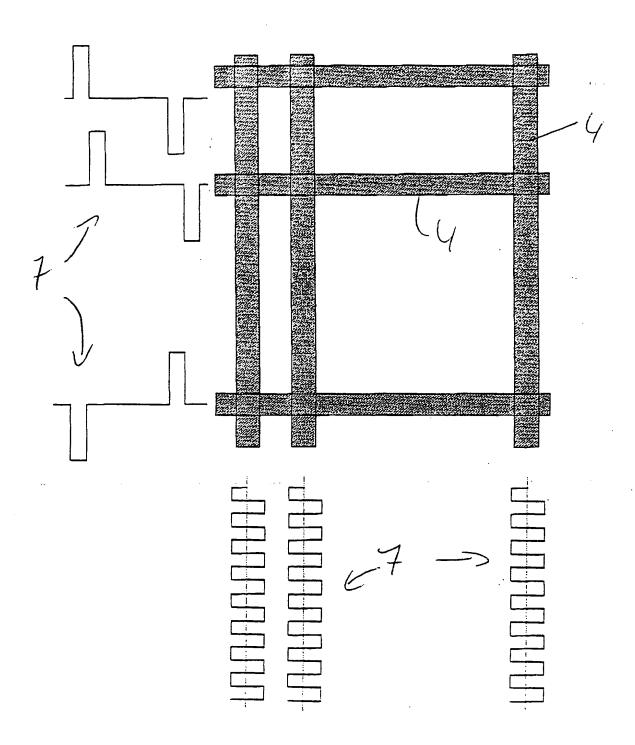


Fig. 2 Example waveform applied to the common and segment electrodes

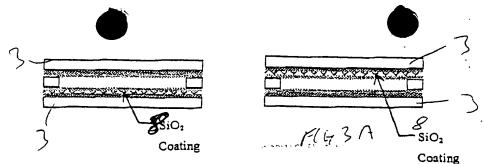


Fig. 3 Coating of silicon dioxide applied for better electrical isolation between the two ITO surfaces

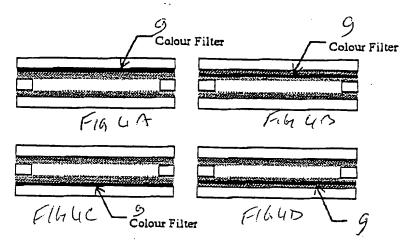


Fig. 4 Color filter material applied on/under the ITO layer

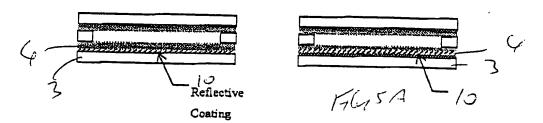


Fig. 5 reflective coating applied on/under the ITO layer of the rear substrate

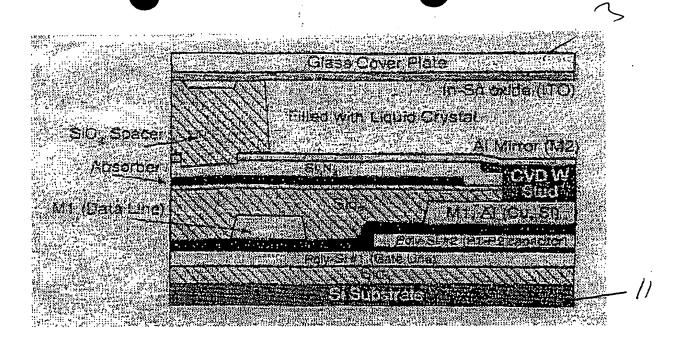


Fig. 6 Arrangement for reflective single crystal CMOS microdisplay

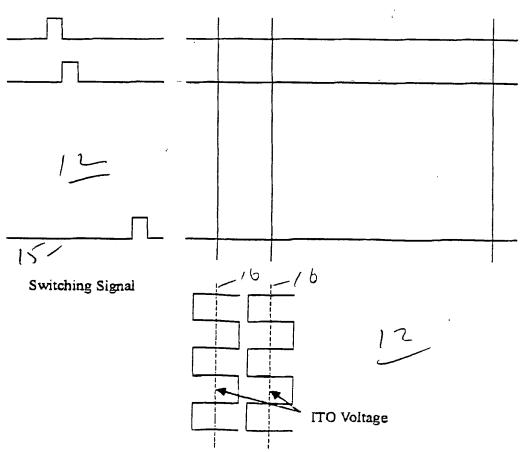


Fig. 7 Signal waveform incorporating row inversion scheme for actively driven liquid crystal display

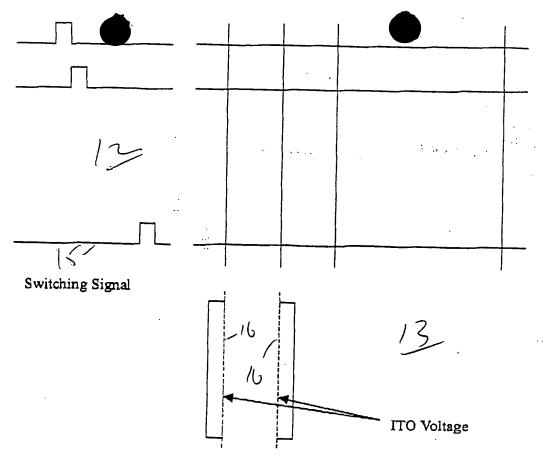


Fig. 8 Signal waveform incorporating column inversion scheme for actively driven liquid crystal display

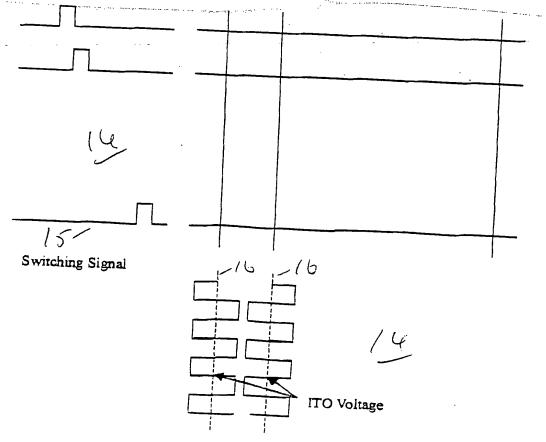


Fig. 9 Signal waveform incorporating pixel inversion scheme for actively driven liquid crystal display

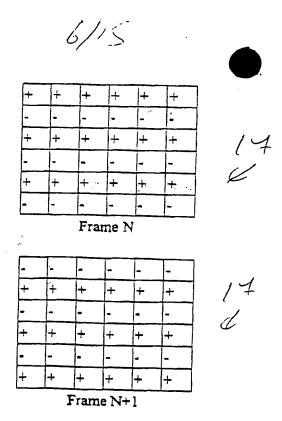


Fig. 10 Polarities of resulting fields applied to pixels for two consecutive frames adopting row inversion scheme

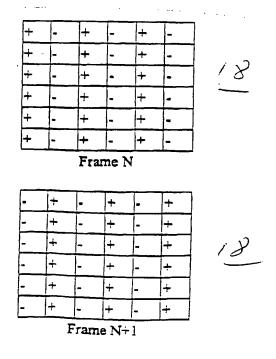


Fig. 11 Polarities of resulting fields applied to pixels for two consecutive frames adopting column inversion scheme

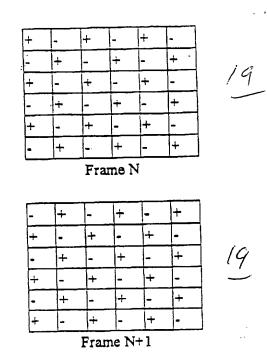


Fig. 12 Polarities of resulting fields applied to pixels for two consecutive frames adopting pixel inversion scheme

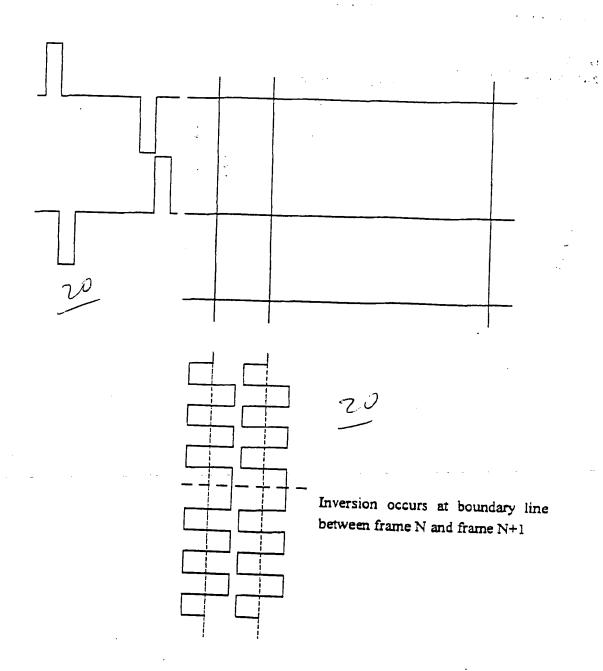


Fig. 13 Signal waveform incorporating row inversion scheme for passively driven liquid crystal display

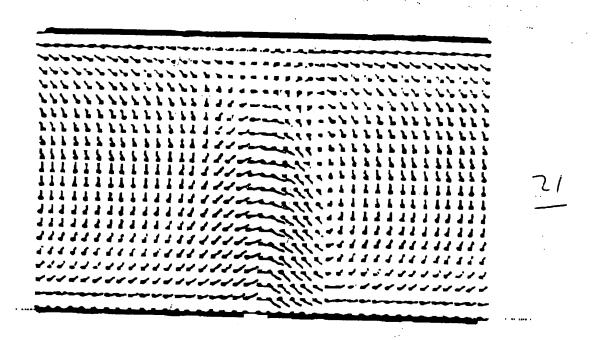
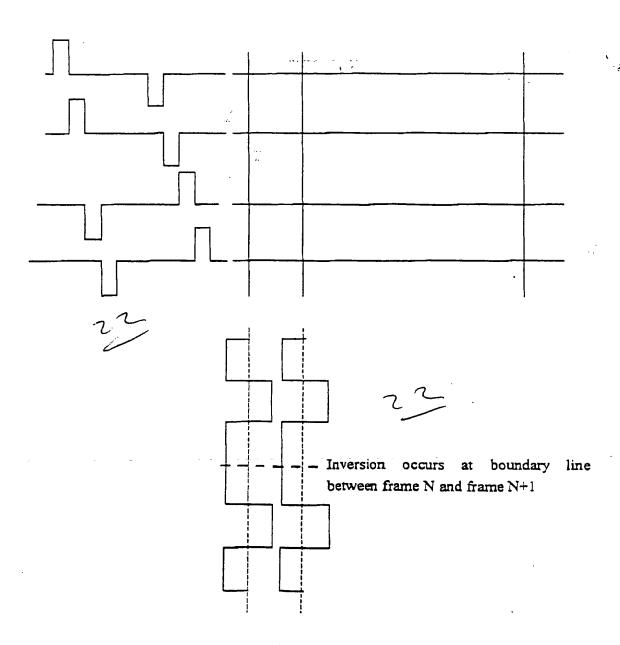


Fig. 14 2D director configuration of two pixels driven in column inversion mode



Signal waveform incorporating 2-row inversion scheme for passively driven liquid crystal display

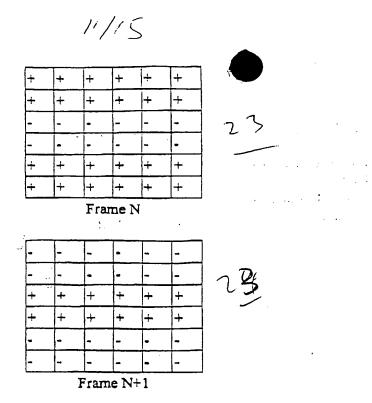


Fig. 16 Polarities of resulting fields applied to pixels for two consecutive frames adopting 2-row inversion scheme

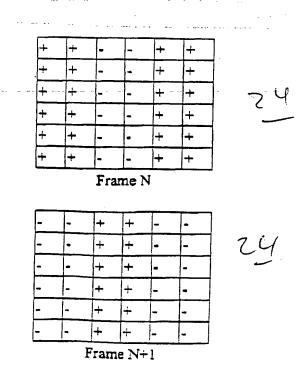


Fig. 17 Polarities of resulting fields applied to pixels for two consecutive frames adopting 2-column inversion scheme

Fig. 18 Polarities of resulting fields applied to pixels for two consecutive frames adopting 2x2-pixel inversion scheme

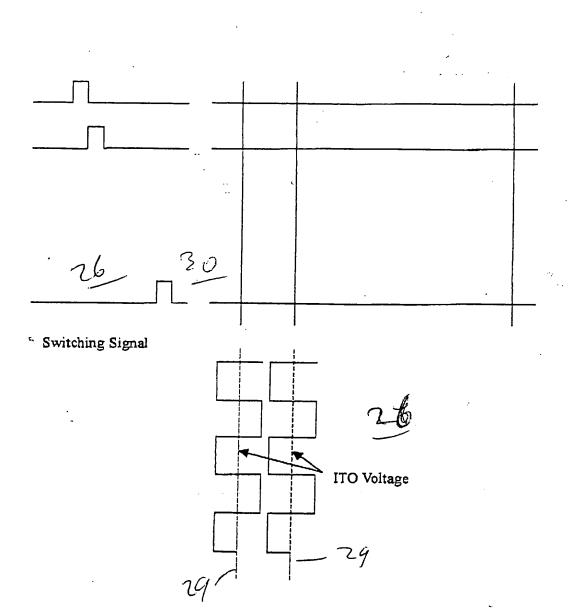


Fig. 19 Signal waveform incorporating 2-row inversion scheme for actively driven liquid crystal display

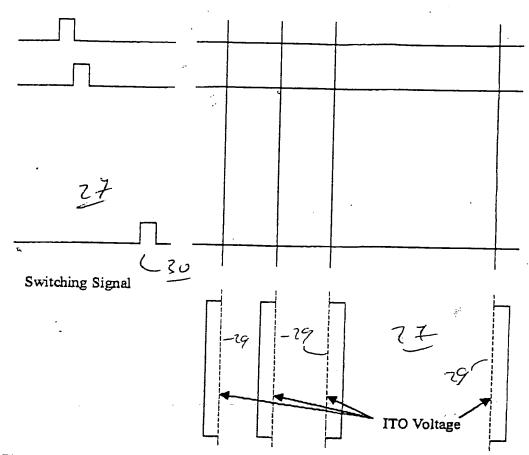


Fig. 20 Signal waveform incorporating 2-column inversion scheme for actively driven liquid crystal display

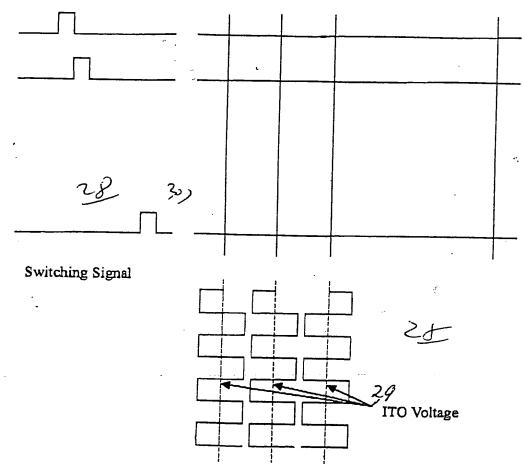


Fig. 21 Signal waveform incorporating 2x2-pixel inversion scheme for actively driven liquid crystal display